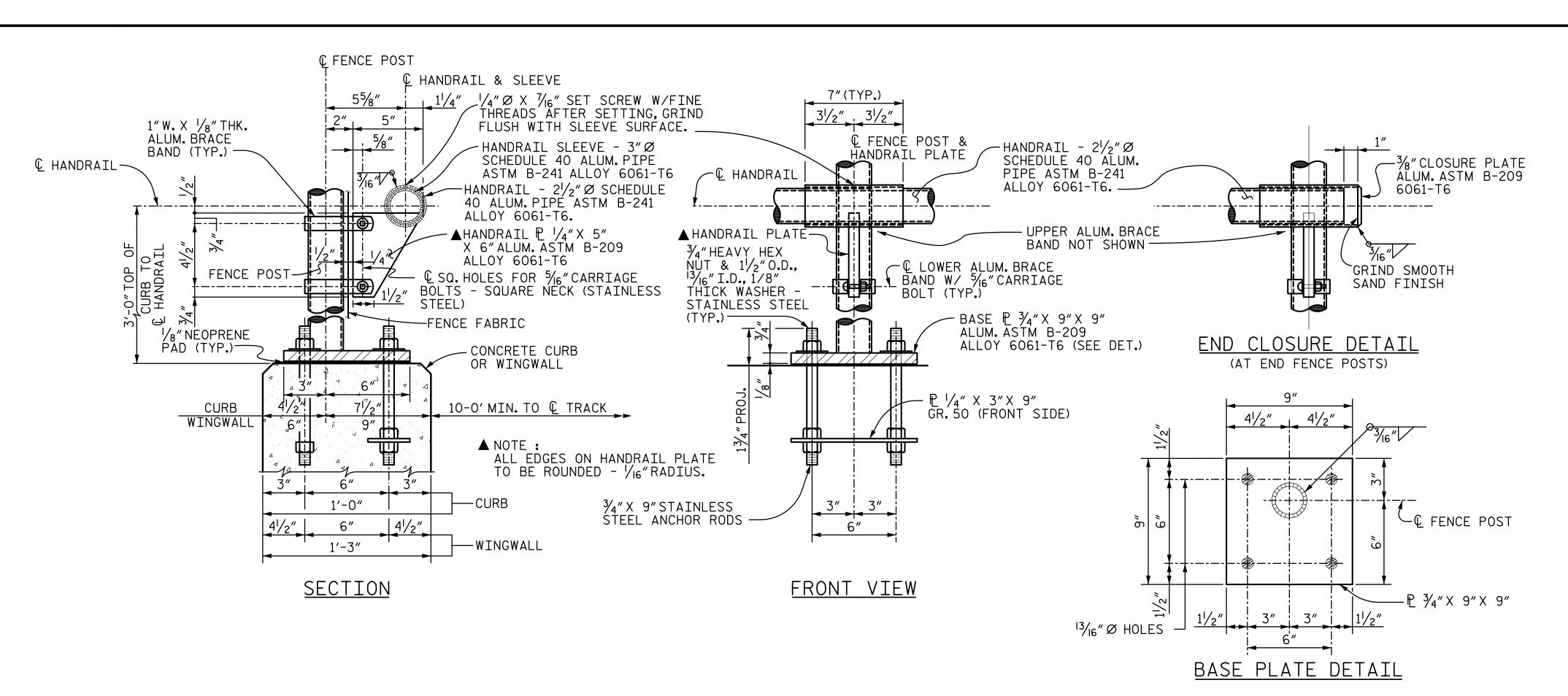
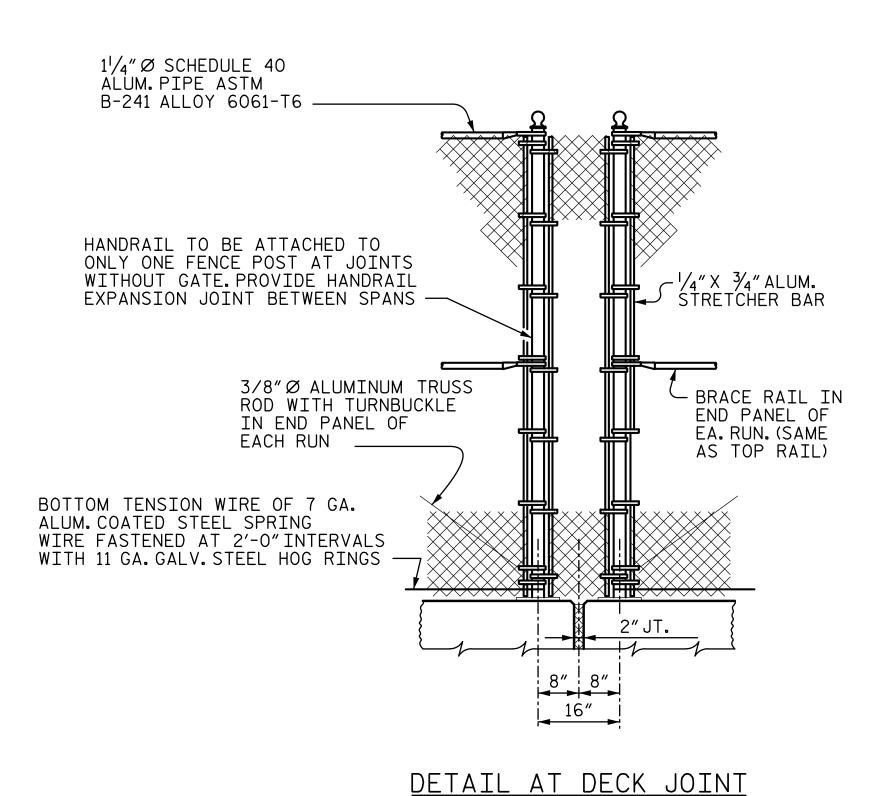
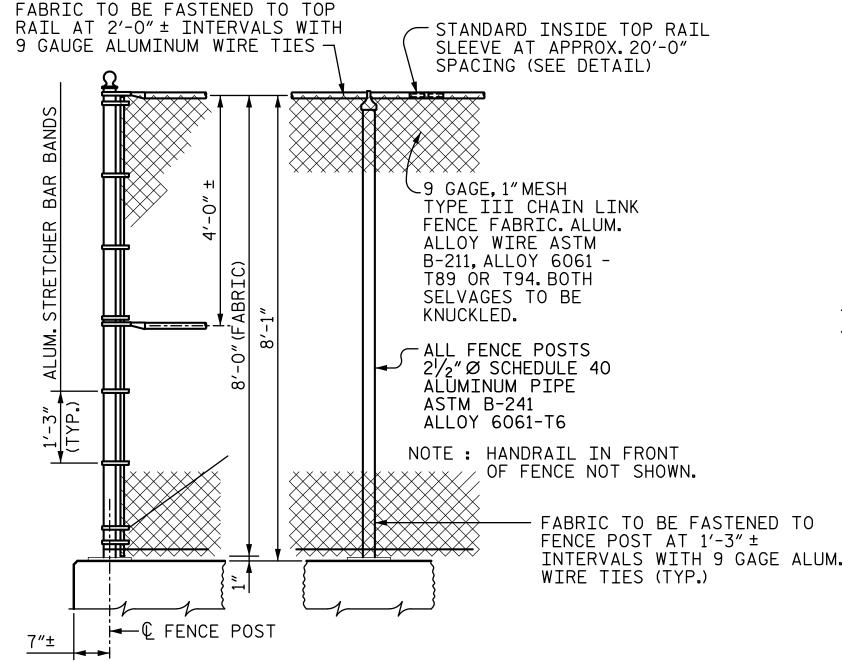
- 3. FENCE FABRIC TO BE TYPE III ALUMINUM ALLOY WIRE ASTM B-211, ALLOY 6061-T89 OR T94.
- 4. BRACE RAIL AND BRACE ENDS, POST TOPS, TURNBUCKLES, TRUSS RODS, GATE HINGES AND LATCHES, STRETCHER BARS, AND BAR BANDS IN ACCORDANCE WITH AASHTO M181.
- 5. STAINLESS STEEL BOLTS, NUTS, AND ANCHOR RODS TO BE ASTM A-276, TYPE 304 STAINLESS STEEL WASHERS TO BE ASTM A-276, TYPE 302, ANCHOR ROD THREADS SHALL BE ROLLED, NOT CUT.
- 6. POST TO BE SET PERPENDICULAR TO TOP OF CURB AND RAILS SHALL BE PLACED PARALLEL TO THE GRADE OF THE BRIDGE.
- 7. BOTTOM OF BASE PLATE SHALL BE THOROUGHLY COATED WITH ALUMINUM IMPREGNATED CAULKING COMPOUND OR APPROVED QUALITY.
- 8. CERTIFIED MILL REPORTS ARE REQUIRED FOR POST, RAIL, AND FENCE FABRIC, SHOP INSPECTION IS NOT REQUIRED,
- 9. AFTER ANCHOR BOLT AND OTHER BOLT NUTS HAVE BEEN TIGHTENED. THREADS SHALL BE NICKED TO LOCK NUTS.
- 10. THE ALUMINUM BRACE BANDS USED TO SECURE HANDRAIL SLEEVE SHALL BE OF SUCH SIZE NECESSARY TO CLAMP TIGHTLY TO FENCE POST.
- 11. WELDING SHALL BE IN ACCORDANCE WITH THE CURRENT AWS STRUCTURAL WELDING CODE - ALUMINUM.
- 12. ANCHOR PLATE SHALL BE STEEL CONFORMING TO ASTM SPECIFICATION A36.
- 13. UPPER ANCHOR ROD NUTS SHALL BE HEAVY HEX NUTS, PER ASTM A276 TYPE 302 OR 304 STAINLESS STEEL.
- 14. LOWER ANCHOR ROD NUTS SHALL BE HEAVY HEX NUTS, PER ASTM A563.
- 15. FOR HANDRAIL AND FENCE, SEE SPECIAL PROVISIONS.
- 16. THE CONTRACTOR SHALL SUBMIT SHOP DRAWINGS TO THE ENGINEER FOR REVIEW AND APPROVAL. SEE SUBMITTAL OF WORKING DRAWINGS SPECIAL PROVISIONS FOR DETAILS.



DETAILS FOR PIPE RAILING NOT TO SCALE





DETAIL AT END

DETAILS FOR CHAIN LINK FENCE

NOT TO SCALE

 $\frac{3}{16}$ " TYP. 3∕₁₆″ TYP. 7"(MIN.) TOP RAIL SLEEVE DETAIL

1"* SPLICE GAP -SMOOTH ~ 2" Ø SCHEDULE 80 HANDRAIL ___ ALUM. PIPE INSERT ENDS *USE 1"SPLICE GAP 3/8"∅ ALUMINUM RIVETS — AT HANDRAIL JOINTS WITH COUNTERSUNK HEADS BETWEEN SPANS. FLUSH WITH PIPE ONE END

HANDRAIL JOINT DETAIL

U-3308 PROJECT NO. _ **DURHAM** COUNTY STATION: POT 24+09.63 -LALT-

POT 21+11.43 -NSN-

SHEET 2 OF 2

STATE OF NORTH CAROLINA DEPARTMENT OF TRANSPORTATION

HANDRAIL AND

BY:

SHEET NO.

S3-24

TOTAL SHEETS

44

DATE:

TV / Ralph Whitehead Associates, Inc. NO. BY:

Paul Kelly Jr SEAL 19765

FENCE DETAILS

REVISIONS

DATE:

900 W Trade Street, Suite 715 Charlotte, NC 28202 NC License No. F-0991 DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

DATE : 06-14 KPL DRAWN BY : CHECKED BY : DJM _ DATE : _ **06-14**